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Nov 6, 1985

DERWENT-ACC-NO: 1985-277771

DERWENT-WEEK: 198545

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TITLE: Anaesthetic method esp. for dental surgery - using alpha adrenergic blocker to reduce prolongation of anaesthesia by vasoconstrictor

INVENTOR: WATTSMITH, S R

PATENT-ASSIGNEE:

ASSIGNEE

CODE

DENTSPLY LTD

DENX

PRIORITY-DATA: 1984US-0593724 (March 27, 1984)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> EP 160191 A	November 6, 1985	E	018	
<input type="checkbox"/> AU 8540155 A	October 3, 1985		000	
<input type="checkbox"/> BR 8501388 A	November 26, 1985		000	
<input type="checkbox"/> CA 1265747 A	February 13, 1990		000	
<input type="checkbox"/> JP 61005026 A	January 10, 1986		000	
<input type="checkbox"/> US 4659714 A	April 21, 1987		000	
<input type="checkbox"/> ZA 8501929 A	September 19, 1985		000	

DESIGNATED-STATES: AT BE CH DE FR GB IT LI LU NL SE

CITED-DOCUMENTS:2.Jnl.Ref

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 160191A	March 13, 1984	1984EP-0102893	
JP 61005026A	March 27, 1985	1985JP-0063196	
US 4659714A	March 27, 1984	1984US-0593724	

INT-CL (IPC): A61D 0/00; A61K 31/41; A61K 45/06; A61M 19/00

ABSTRACTED-PUB-NO: EP 160191A

BASIC-ABSTRACT:

Anaesthetic method comprises applying an anaesthetic agent (I) to a portion of the body of the mammal; co-applying to the same portion sufficient of a vasoconstrictor (II) to prolong the anaesthetic effect of (I); and subsequently applying an alpha adrenoceptor blocker (III) in amt. sufficient to reduce the prolongation. Pref. (I) are local or topical, esp. lignocaine, xylocaines, novacaine, carbocaine, procaine, prilocaine, bupivacaine, cinchocaine or mepivacaine. Pref. (II) are catecholamine and derivs. Pref. (III) is phentolamine or its hydrochloride or mesylate, tolazoline, yohimbine, rauwolscine, doxazosin, labelolol or prazosin. Also claimed are compsns. comprising (III) for reduction of the prolongation of co-applcn. of (I) and (II).

USE/ADVANTAGE - Useful in dental or oral surgery (claimed), partic. to provide seriation treatment of several areas, or where patient feedback requiring the employment of oral sensation may be obtd. rapidly and predictably. Reduction of the prolongation obtd. from (I) and (II) together is also desirable to prevent self-inflicted accidental tongue, lip and cheek ulceration seen as a result of prolonged loss of sensation in the mouth.

ABSTRACTED-PUB-NO:

US 4659714A

EQUIVALENT-ABSTRACTS:

Improved method of anaesthetising the mouth (at least in part) comprises injection of the usual anaesthetic agents (e.g. lignocaine, xylocaine, novacaine, carbocaine, procaine, prilocaine, bupivacaine, cinchocaine and mepivacaine) mixed with a vasoconstrictor (e.g. epinephrine, norepinephrine or catchecolamine or its derivs.); and subsequent treatment with an alpha-adrenoreceptor blocking agent (e.g. phentolamine or its slats, tolazoline, yohimbine, rauwolscine, doxazosine, labetolol or prazosine).

USE - The process gives improved local anaesthesia for dentistry or surgery, less trauma and enhanced sensory feedback from patients. (6pp)

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: ANAESTHETIC METHOD DENTAL SURGICAL ALPHA ADRENERGIC BLOCK REDUCE PROLONG ANAESTHETIC VASOCONSTRICTING

DERWENT-CLASS: B05 P32 P34

CPI-CODES: B04-A05; B06-A01; B06-D02; B06-D06; B07-D05; B07-D09; B10-B01A; B10-B02F; B10-B03B; B12-C02; B12-L03; B12-L04;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

G013 G100 H1 H100 H103 H141 H181 J0 J011 J2
J231 M210 M212 M273 M282 M312 M321 M332 M342 M383
M391 M414 M431 M510 M520 M531 M540 M782 M903 M910
P412 P913 P923

Chemical Indexing M2 *02*

Fragmentation Code

F011 F012 F433 G014 G100 H1 H181 H2 H201 J0

J011 J3 J311 M1 M123 M136 M210 M211 M240 M273
M281 M282 M320 M413 M431 M510 M521 M531 M540 M782
M903 M910 P412 P913 P923

Chemical Indexing M2 *03*

Fragmentation Code

F012 F522 G012 G013 G100 H1 H103 H141 H4 H401
H441 H8 M1 M121 M143 M210 M211 M240 M281 M311
M321 M342 M373 M391 M413 M431 M510 M521 M532 M540
M640 M650 M782 M903 M910 P511 P913 P923

Chemical Indexing M2 *04*

Fragmentation Code

F012 F522 G010 G100 M1 M123 M132 M280 M311 M321
M342 M413 M431 M510 M521 M531 M540 M782 M903 M910
P511 P913 P923

Chemical Indexing M2 *05*

Fragmentation Code

D013 D023 D740 F011 F012 F014 F111 F553 H1 H100
H122 H2 H201 H211 H5 H542 H8 J0 J011 J3
J311 L9 L910 M210 M211 M272 M282 M320 M412 M431
M511 M522 M530 M540 M782 M903 M910 P511 P913 P923

Chemical Indexing M2 *06*

Fragmentation Code

G015 G100 H1 H102 H181 H4 H403 H442 H481 H8
M210 M211 M273 M281 M312 M321 M332 M343 M373 M391
M414 M431 M510 M520 M531 M540 M782 M903 M910 P527
P913 P923

Chemical Indexing M2 *07*

Fragmentation Code

G015 G100 H1 H100 H181 H4 H403 H442 H481 H8
M280 M312 M321 M332 M343 M373 M391 M414 M431 M510
M520 M531 M540 M782 M903 M910 P527 P913 P923

Chemical Indexing M2 *08*

Fragmentation Code

G014 G100 H1 H103 H181 J0 J011 J3 J341 M210
M211 M212 M240 M273 M282 M311 M321 M342 M349 M381
M391 M414 M431 M510 M520 M531 M540 M782 M903 M910
P412 P913 P923

Chemical Indexing M2 *09*

Fragmentation Code

D013 D621 F011 F012 F433 G011 G014 G100 H1 H102
H103 H181 H201 H521 J0 J011 J3 J311 J341 M123
M136 M210 M211 M212 M213 M214 M231 M240 M272 M273
M281 M282 M312 M320 M321 M331 M332 M340 M342 M349
M381 M383 M391 M412 M413 M414 M431 M510 M511 M520
M521 M531 M540 M782 M903 P412 P913 P923

Chemical Indexing M2 *10*

Fragmentation Code

D023 E340 H4 H401 H461 H8 J0 J011 J2 J251
M210 M211 M272 M281 M320 M412 M431 M511 M520 M530
M540 M782 M903 P511 P913 P923

Chemical Indexing M2 *11*

Fragmentation Code

G010 G015 G100 H1 H102 H181 H4 H402 H441 H481
H8 J0 J011 J3 J331 M280 M312 M314 M321 M331
M332 M342 M343 M373 M392 M414 M431 M510 M520 M532
M540 M782 M903 P511 P913 P923

Chemical Indexing M2 *12*

Fragmentation Code

D012 D013 D023 D150 D740 F011 F014 F553 H1 H100
H122 H2 H201 H211 H5 H542 H8 J0 J011 J3
J311 M210 M211 M272 M282 M320 M412 M431 M512 M521
M530 M540 M782 M903 P511 P913 P923

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0029U ; 0047U ; 0048U ; 0186U ; 0194U ; 0648U ;
1117U ; 2011U UNLINKED-RING-INDEX-NUMBERS: 01662

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1985-120343

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